BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest (AI) No. 1137
Activity No. PER20090014

Mr. Victor Pisani
Plant Manager
266 Hwy 3142
Hahnville, LA 70057

RE: Prevention of Significant Deterioration (PSD) Permit, PSD-LA-633(M-2), Taft Cogeneration Facility, Occidental Chemical Corp, Hahnville, St. Charles Parish, Louisiana

Dear Mr. Pisani:

Enclosed is your permit, PSD-LA-633(M-2). This modification authorizes emissions resulting from the startup and shutdown from the combined cycle units. The permit number cited above and the Agency Interest (AI) Number No. 1137 should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Should you have any questions, contact Dustin Duhon of the Air Permits Division at (225) 219-3114.

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

_____
Date

CSN:dcd

c: US EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
OCCIDENTAL CHEMICAL CORPORATION - TAFT COGENERATION PLANT
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL AND MODIFICATION
PSD PERMIT MINOR MODIFICATION, CLEAN AIR INTERSTATE RULE (CAIR) INITIAL PERMIT AND ACID RAIN PERMIT RENEWAL

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 Air Operating Permit Renewal and Modification, PSD Permit Minor Modification, Clean Air Interstate Rule (CAIR) Initial Permit and Acid Rain Permit Renewal for Occidental Chemical Corporation, P.O. Box 74, Hahnville, LA 70057-0074 for the Taft Cogeneration Plant. **The facility is located at 266 Hwy 3142, Hahnville, St. Charles Parish.**

Occidental Chemical Corporation utilizes three 170 MW (nominally rated) GE gas turbines which are fired with natural gas to drive electrical generators. Hot exhaust gases from each turbine is routed to a 355 MM BTU/hr duct burner, which can be fired with either hydrogen from the Chlor-Alkali Facility and/or natural gas. Heat from each turbine/duct burner flue gases is recovered in a heat recovery steam generator (HRSG). Steam from three HRSG is used to drive a 325 MW steam turbine. A small portion of the flue gas and steam is routed to the carbonation tower where carbon dioxide in the flue gas reacts with chlor-alkali cell liquor from the Chlor-Alkali Facility to produce sodium carbonate solution.

Occidental Chemical Corporation requested to:

- Incorporate stack test results for the Carbonation Tower (EQT 6) into the permit;
- Update the stack test parameters for the Combined Cycle Units (PCS 1, PCS 2, & PCS 3)
- Revise emissions based on updated emission factors; and
- Update startup and shutdown emissions for the Combined Cycle Units (PCS 1, PCS 2, & PCS 3).

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	308.37	312.58	+ 4.21
SO_2	17.67	17.68	+ 0.01
NO_X	1463.14	1463.14	-
CO	1817.63	1817.63	-
VOC	98.46	98.58	+ 0.12
Formaldehyde	5.92	5.94	+ 0.02
Chlorine	0.26	0.12	- 0.14
Sulfuric Acid	1.77	1.78	+ 0.01

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received**

by 12:30 p.m., Thursday, June 3, 2010. Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit applications, Proposed Part 70 Air Operating Permit, Acid Rain Permit, Initial CAIR Permit, PSD Permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

An additional copy may be reviewed at the St. Charles Parish Library, East Regional Branch, 100 River Oaks Drive, Destrehan, LA 70047.

Inquiries or requests for additional information regarding this permit action should be directed to Dustin Duhon, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3114.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permits and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 1137:

Permit Number 2598-V-2	**PER20090011**
Permit Number PSD-LA-633 (M-2)	**PER20090014**
Permit Number 2598-IRO	**PER20070009**
Permit Number 2598-IV2	**PER20090012**

Scheduled Publication Date: April 29, 2010

Agency Interest No. 1137

PSD-LA-633(M-2)

AUTHORIZATION TO OPERATE AN EXISTING FACILITY PURSUANT TO THE PREVENTION OF SIGNIFICANT DETERIORATION REGULATIONS IN LOUISIANA ENVIRONMENTAL REGULATORY CODE, LAC 33:III.509

In accordance with the provisions of the Louisiana Environmental Regulatory Code, LAC 33:III.509,

Occidental Chemical Corp
PO Box 74
Hahnville, LA 70057-0074

is incorporating startup and shutdown emissions at the Taft Cogeneration Facility located at

266 Hwy 3142
Hahnville LA 70057

subject to the emissions limitations, monitoring requirements, and other conditions set forth hereinafter.

Signed this _____ day of _____, 2010.

Cheryl Sonnier Nolan
Assistant Secretary
Office of Environmental Services
Louisiana Department of Environmental Quality

BRIEFING SHEET

Taft Cogeneration Facility
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-2)

PURPOSE

To incorporate emissions resulting from startup and shutdown of the three combined cycle units, GT/HRSG Unit 1, GT/HRSG Unit 2, and GT/HRSG Unit 3. These emissions are existing and do not represent an actual emissions increase.

RECOMMENDATION

Approval of the proposed construction and issuance of a permit.

REVIEWING AGENCY

Louisiana Department of Environmental Quality, Office of Environmental Services, Air Permits Division

PROJECT DESCRIPTION

The facility utilizes three 170 MW (nominally rated) GE gas turbines which are fired with natural gas to drive electrical generators. Hot exhaust gases from each turbine is routed to a 355 MM BTU/hr duct burner, which can be fired with either hydrogen from the Chlor-Alkali Facility and/or natural gas. Heat from each turbine/duct burner flue gases is recovered in a heat recovery steam generator (HRSG). Steam from three HRSG is used to drive a 325 MW steam turbine. A small portion of the flue gas and steam is routed to the carbonation tower where carbon dioxide in the flue gas reacts with chlor-alkali cell liquor from the Chlor-Alkali Facility to produce sodium carbonate solution.

With PSD-LA-633(M-2), Occidental Chemical Corporation proposes to incorporate emissions resulting from startup and shutdown of the three combined cycle units, GT/HRSG Unit 1, GT/HRSG Unit 2, and GT/HRSG Unit 3. These emissions are existing and do not represent an actual emissions increase. In addition, emission rates for the Carbonation Tower (EQT 6) and the Cooling Tower (EQT 7) have been updated based on stack test results and emission factor changes. No physical changes or changes in the method of operation are proposed.

BRIEFING SHEET

Taft Cogeneration Facility
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-2)

Estimated emissions from the cogeneration facility in tons per year, as prepared for PSD-LA-651(M-2), are as follows:

Pollutant	Before	After	Change	PSD de minimis
PM_{10}	308.37	312.58	+ 4.21	15
SO_2	17.67	17.68	+ 0.01	40
NO_X	1463.14	1463.14	-	40
CO	1817.63	1817.63	-	100
VOC	98.46	98.58	+ 0.12	40

TYPE OF REVIEW

The original permit, PSD-LA-633 was reviewed in accordance with PSD regulations for PM/PM_{10}, NOx, and CO emissions in 1998. The selection of control technology based on the BACT analysis included consideration of control of toxic materials. This permit was amended on February 18, 2005, as Permit No. PSD-LA-633(M-1), to revise emission limits based on performance tests. No physical change or change in the method of operation was proposed with this amended permit.

With PSD-LA-633(M-2), no physical change or change in the method of operation was proposed. Therefore, those pollutants subject to review with PSD-LA-633 that are also affected by the incorporation of startup and shutdown emissions, namely NOx and CO, were reviewed in accordance with PSD regulations.

BEST AVAILABLE CONTROL TECHNOLOGY

With PSD-LA-633, the following emissions standards and control technologies were determined as BACT:

NOx emissions from the gas turbines are controlled to 9ppmv and CO to 25 ppmv using either Dry Low NOx (DLN) burners or DLN burners in combination with other technologies. Lox NOx burners are used as BACT to maximum NOx emissions from the duct burners to 0.08 lb/MMBTU while fueled by natural gas and 0.18 lb/MMBTU for hydrogen. BACT levels for CO emissions from the duct burners are 0.08 lb/MMBTU for natural gas fired and 0.03 lb/MMBTU for hydrogen fired. Good design, proper operating and maintenance practices, and using natural gas and hydrogen as fuel are BACT for PM_{10} and VOC emissions from the cogeneration facility.

With PSD-LA-633(M-1), no changes to the BACT determinations were made.

With PSD-LA-633(M-2), BACT for emissions of NOx from the gas turbines during periods of startup and shutdown is determined to be no additional controls.

With PSD-LA-633(M-2), BACT for emissions of CO from the gas turbines during periods of startup

BRIEFING SHEET

Taft Cogeneration Facility
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-2)

and shutdown is determined to be good combustion practices.

AIR QUALITY IMPACT ANALYSIS

Prevention of Significant Deterioration regulations require an analysis of existing air quality for those pollutants emitted in significant amounts from a proposed facility.

With PSD-LA-633(M-2), screening dispersion modeling indicates maximum ground level concentrations of NOX and CO are below the National Ambient Air Quality Standards.

ADDITIONAL IMPACTS

Soils, vegetation, and visibility will not be adversely impacted by the proposed facility, nor will any Class I area be affected. The project will not result in any significant secondary growth effects. No new permanent jobs will be created.

PROCESSING TIME

Application Dated:	August 12, 2009
Application Received:	August 18, 2009
Additional Information Dated:	September 15, 2009
Effective Completeness Date:	October 16, 2009

PUBLIC NOTICE

A notice requesting public comment on the proposed project was published in *The Advocate*, Baton Rouge, Louisiana, on <<Date>>, 200x; and in <<*Local Paper*>>, <<City>>, Louisiana, on <<Date>>, 200x. Copies of the public notice were also mailed to individuals who have requested to be placed on the mailing list maintained by the Office of Environmental Services on <<Date>>, 200x. A proposed permit was also submitted to U.S. EPA Region VI on <<Date>>, 200x and to the Federal Land Manager on <<Date>>. All comments will be considered prior to a final permit decision.

PRELIMINARY DETERMINATION SUMMARY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-2)
October 16, 2009

I. APPLICANT

Occidental Chemical Corp – Taft Cogeneration Plant
266 Hwy 3142
Hahnville, Louisiana 70057

II. LOCATION

Taft Cogeneration Plant
266 Hwy 3142
Hahnville, St. Charles Parish, Louisiana
Approximate geographic coordinates: 29° 59' 14" North, 90° 27' 17" West

III. PROJECT DESCRIPTION

The facility utilizes three 170 MW (nominally rated) GE gas turbines which are fired with natural gas to drive electrical generators. Hot exhaust gases from each turbine is routed to a 355 MM BTU/hr duct burner, which can be fired with either hydrogen from the Chlor-Alkali Facility and/or natural gas. Heat from each turbine/duct burner flue gases is recovered in a heat recovery steam generator (HRSG). Steam from three HRSG is used to drive a 325 MW steam turbine. A small portion of the flue gas and steam is routed to the carbonation tower where carbon dioxide in the flue gas reacts with chlor-alkali cell liquor from the Chlor-Alkali Facility to produce sodium carbonate solution.

With PSD-LA-633(M-2), Occidental Chemical Corporation proposes to incorporate emissions resulting from startup and shutdown of the three combustion turbines, EQT 3, EQT 4, and EQT 5. These emissions are existing and do not represent an actual emissions increase. In addition, emission rates for the Carbonation Tower (EQT 6) and the Cooling Tower (EQT 7) have been updated based on stack test results and emission factor changes. No physical changes or changes in the method of operation are proposed.

Estimated emissions, in tons per year, are as follows:

Pollutant	Before	After	Change	PSD de minimis
PM_{10}	308.37	312.58	+ 4.21	15
SO_2	17.67	17.68	+ 0.01	40
NO_X	1463.14	1463.14	-	40
CO	1817.63	1817.63	-	100
VOC	98.46	98.58	+ 0.12	40

PRELIMINARY DETERMINATION SUMMARY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-2)
October 16, 2009

IV. SOURCE IMPACT ANALYSIS

A proposed net increase in the emission rate of a regulated pollutant above de minimis levels for new major or modified major stationary sources requires review under Prevention of Significant Deterioration regulations, 40 CFR 52.21. PSD review entails the following analyses:

A. A determination of the Best Available Control Technology (BACT);

B. An analysis of the existing air quality and a determination of whether or not preconstruction or postconstruction monitoring will be required;

C. An analysis of the source's impact on total air quality to ensure compliance with the National Ambient Air Quality Standards (NAAQS);

D. An analysis of the PSD increment consumption;

E. An analysis of the source related growth impacts;

F. An analysis of source related growth impacts on soils, vegetation, and visibility;

G. A Class I Area impact analysis; and

H. An analysis of the impact of toxic compound emissions.

A. BEST AVAILABLE CONTROL TECHNOLOGY

Under current PSD regulations, an analysis of "top down" BACT is required for the control of each regulated pollutant emitted from a modified major stationary in excess of the specified significant emission rates. The top down approach to the BACT process involves determining the most stringent control technique available for a similar or identical source. If it can be shown that this level of control is infeasible based on technical, environmental, energy, and/or cost considerations, then it is rejected and the next most stringent level of control is determined and similarly evaluated. This process continues until a control level is arrived at which cannot be eliminated for any technical, environmental, or economic reason. A technically feasible control strategy is one that has been demonstrated to function efficiently on identical or similar processes. Additionally, BACT shall not result in emissions of any pollutant which would exceed any applicable standard under 40 CFR Parts 60 and 61.

With PSD-LA-633, the following emissions standards and control technologies were determined as BACT:

NOx emissions from the gas turbines are controlled to 9ppmv and CO to 25 ppmv using

either Dry Low NOx (DLN) burners or DLN burners in combination with other technologies. Low NOx burners are used as BACT to maximum NOx emissions from the duct burners to 0.08 lb/MMBTU while fueled by natural gas and 0.18 lb/MMBTU for hydrogen. BACT levels for CO emissions from the duct burners are 0.08 lb/MMBTU for natural gas fired and 0.03 lb/MMBTU for hydrogen fired. Good design, proper operating and maintenance practices, and using natural gas and hydrogen as fuel are BACT for PM_{10} and VOC emissions from the cogeneration facility.

Permit No. PSD-LA-633(M-1) does not authorize any additional construction of any change in actual emissions. Permit No. PSD-LA-633(M-2) authorizes maximum emission rates of nitrogen oxides and carbon monoxide, in pounds per hour, that apply during startup and shutdown of the three combustion turbines, EQT 3, EQT 4, and EQT 5. Startup and shutdown emissions are not addressed for the three duct burners that are attached to each of the combustion turbines because they are not utilized during startup and shutdown events. All emissions sources at this facility are required to continue to comply with all existing annual emission rates for all pollutants.

With PSD-LA-633(M-2), BACT for emissions of NOx from the gas turbines during periods of startup and shutdown is determined to be no additional controls.

With PSD-LA-633(M-2), BACT for emissions of CO from the gas turbines during periods of startup and shutdown is determined to be good combustion practices.

B. ANALYSIS OF EXISTING AIR QUALITY

Prevention of Significant Deterioration regulations require an analysis of existing air quality for those pollutants to be emitted in significant amounts from a proposed major source. NO_X and CO are pollutants of concern in this case.

Screening dispersion modeling of CO and NOx emissions from the station indicates that maximum off-site ground level concentrations are below the corresponding significance levels and the preconstruction monitoring exemption levels. Neither preconstruction monitoring, nor increments analysis, nor refined modeling was required.

C. NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) ANALYSIS

Refined modeling was not required for emissions of NOx and CO.

D. PSD INCREMENT ANALYSIS

Increment analysis was not required for emissions of NOx and CO.

E. SOURCE RELATED GROWTH IMPACTS

Secondary growth effects will not include any temporary construction related jobs and no permanent jobs.

F. SOILS, VEGETATION, AND VISIBILITY IMPACTS

There will be no significant impact on area soils, vegetation, or visibility.

G. CLASS I AREA IMPACTS

The net emissions increase for this project is less than zero, , precluding any significant impact upon Louisiana's Breton Wildlife Refuge, the nearest Class I area.

H. TOXIC EMISSIONS IMPACT

The selection of control technology based on the BACT analysis included consideration of control of toxic emissions.

V. CONCLUSION

The Air Permits Division has made a preliminary determination to approve the PSD permit modification for the facility at the Taft Cogeneration Plant near Hahnville in St. Charles Parish, Louisiana, subject to the attached specific and general conditions. In the event of a discrepancy in the provisions found in the application and those in this Preliminary Determination Summary, the Preliminary Determination Summary shall prevail.

SPECIFIC CONDITIONS

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-2)

1. Comply with the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.537]

2. The permittee is authorized to operate in conformity with the specifications submitted to the Louisiana Department of Environmental Quality (LDEQ) as analyzed in LDEQ's document entitled "Preliminary Determination Summary" dated October 29, 1998 and subject to the following emission limitations and other specified conditions. Specifications submitted are contained in the application and Emissions Inventory Questionnaire dated July 20, 1998, as well as additional information dated October 23, 1998.

MAXIMUM ALLOWABLE EMISSIONS RATES

ID No.	Description	Operational Mode		PM_{10}	NO_X	CO	VOC
PCS 1	Gas Turbine No. 1	Normal	ppmvd	-	9††	25†	-
PCS 2	Gas Turbine No. 2	Low Load		-	-	85†	-
PCS 3	Gas Turbine No. 3	SU/SD	lb/hr	20.40	370.32	721.20	23.70
	HRSG/Duct Burner No. 1	Normal	gr/dscf	0.0035	-	-	-
	HRSG/Duct Burner No. 2	Normal	lb/MMBTU	-	0.18*†	0.03*†	0.012*†
	HRSG/Duct Burner No. 3	Normal		-	0.08**†	0.08**†	0.005**†
	Combined Cycle	Normal	lb/hr	24.10	134.09	147.02	10.22
	Cogeneration Units (each)	Low Load		24.10	128.70	178.00	10.22
		All	TPY	97.78	485.96	604.00	-
EQT 6	Carbonation Tower	All	lb/hr	0.27	1.44	1.54	0.11
		All	TPY	0.99	5.26	5.63	0.42
EQT 7	Cooling Tower	All	lb/hr	7.37	-	-	-
*		All	TPY	18.25	-	-	-

Note: Normal Mode is defined as loads greater than or equal to 50%. Low Load Mode is defined as loads less than 50% and greater than 30%.

†Compliance is determined by three (3) one hour tests.
††Compliance is determined by a 24-hour rolling average based on a one-hour average.
*Applies when firing natural gas.
**Applies when firing hydrogen.

TABLE I: BACT COST SUMMARY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-1)

Control Alternatives		Availability/ Feasibility	Negative Impacts (a)	Control Efficiency	Emissions Reduction (TPY)	Capital Cost ($)	Annualized Cost ($)	Cost Effectiveness ($/ton)	Notes
	N/A								

Notes: a) Negative impacts: 1) economic, 2) environmental, 3) energy, 4) safety

TABLE II: AIR QUALITY ANALYSIS SUMMARY

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana
PSD-LA-633(M-1)

Pollutant	Averaging Period	Preliminary Screening Concentration ($\mu g/m^3$)	Level of Significant Impact ($\mu g/m^3$)	Significant Monitoring Concentration ($\mu g/m^3$)	At the Monitoring Station		Background ($\mu g/m^3$)	Maximum Modeled Concentration ($\mu g/m^3$)	Modeled + Background Concentration ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)	Modeled PSD Increment Consumption ($\mu g/m^3$)	Allowable Class II PSD Increment ($\mu g/m^3$)
					Monitored Values ($\mu g/m^3$)	Modeling results ($\mu g/m^3$)						
PM_{10}	24-hour	9.57	5	10	NR	NR	0	136.3	136.3	150	12.0	30
	Annual	0.43	1	-	NR	NR	NR	NR	NR	50	NR	17
NO_X	Annual	1.71	1	14	NR	NR	0	74.2	74.2	100	23.3	25
CO	1-hour	360.2	2000	-	NR	NR	NR	NR	NR	40,000	NR	-
	8-hour	101.5	500	575	NR	NR	NR	NR	NR	10,000	NR	-

NR = Not required.

BOBBY JINDAL
GOVERNOR

PEGGY M. HATCH
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

CAIR PERMIT

Activity No.: PER20070009
Agency Interest No.: 1137

AGENCY INTEREST NAME: Occidental Chemical Corp – Taft Cogeneration Plant

ORIS CODE: 55089

COMPANY NAME: Occidental Chemical Corp

PHYSICAL LOCATION:
266 Hwy 3142
Hahnville LA 70057

CONTACT:
Mr. Victor Pisani
266 Hwy 3142
Hahnville, LA 70057

UNIT INFORMATION:

Source ID	Subject Item ID	Description	Serial #
GT/HRSG Unit 1	PCS 1	Combustion Turbine/HRSG Unit 1	297765
GT/HRSG Unit 2	PCS 2	Combustion Turbine/HRSG Unit 2	297766
GT/HRSG Unit 3	PCS 3	Combustion Turbine/HRSG Unit 3	297767

CAIR PERMIT

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

NOx Annual Emissions Requirements

§ 97.106 Standard requirements.

(a) *Permit Requirements.* (1) The CAIR designated representative of each CAIR NO_X source required to have a title V operating permit and each CAIR NO_X unit required to have a title V operating permit at the source shall:

(i) Submit to the permitting authority a complete CAIR permit application under §97.122 in accordance with the deadlines specified in § 97.121; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NO_X source required to have a title V operating permit and each CAIR NO_X unit required to have a title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CC of this part for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart II of this part, the owners and operators of a CAIR NO_X source that is not otherwise required to have a title V operating permit and each CAIR NO_X unit that is not otherwise required to have a title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CC of this part for such CAIR NO_X source and such CAIR NO_X unit.

(b*) Monitoring, reporting, and recordkeeping requirements.* (1) The owners and operators, and the CAIR designated representative, of each CAIR NO_X source and each CAIR NO_X unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HH of this part.

(2) The emissions measurements recorded and reported in accordance with subpart HH of this part shall be used to determine compliance by each CAIR NO_X source with the CAIR NO_X emissions limitation under paragraph (c) of this section.

(c) *Nitrogen oxides emission requirements.* (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_X source and each CAIR NO_X unit at the source shall hold, in the source's compliance account, CAIR NO_X allowances available for compliance deductions for the control period under § 97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_X units at the source, as determined in accordance with subpart HH of this part.

(2) A CAIR NO_X unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under § 97.170(b)(1),(2), or (5) and for each control period thereafter.

(3) A CAIR NOX allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NO_X allowance was allocated.

(4) CAIR NO_X allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Allowance Tracking System accounts in accordance with subparts EE, FF, GG, and II of this part.

(5) A CAIR NO_X allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_X Annual Trading Program. No provision of the CAIR NO_X Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under § 97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NO_X allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of this part, every allocation, transfer, or deduction of a CAIR NO_X allowance to or from a CAIR NO_X source's compliance account is incorporated automatically in any CAIR permit of the source.

(d) *Excess emissions requirements.* If a CAIR NO_X source emits nitrogen oxides during any control period in excess of the CAIR NO_X emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO_X unit at the source shall surrender the CAIR NO_X allowances required for deduction under § 97.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed,

for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

CAIR PERMIT

Taft Cogeneration Plant
Agency Interest No.: 1137
Occidental Chemical Corp
Hahnville, St. Charles Parish, Louisiana

(e) *Recordkeeping and reporting requirements.* (1) Unless otherwise provided, the owners and operators of the CAIR NO_X source and each CAIR NO_X unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.
(i) The certificate of representation under § 97.113 for the CAIR designated representative for the source and each CAIR NO_X unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided
that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under § 97.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with subpart HH of this part, provided that to the extent that subpart HH of this part provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_X Annual Trading Program.
(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_X Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_X Annual Trading Program.
(2) The CAIR designated representative of a CAIR NO_X source and each CAIR NO_X unit at the source shall submit the reports required under the CAIR NO_X Annual Trading Program, including those under subpart HH of this part.
(f) *Liability.* (1) Each CAIR NO_X source and each CAIR NO_X unit shall meet the requirements of the CAIR NO_X Annual Trading Program.
(2) Any provision of the CAIR NO_X Annual Trading Program that applies to a CAIR NO_X source or the CAIR designated representative of a CAIR NO_X source shall also apply to the owners and operators of such source and of the CAIR NO_X units at
the source.
(3) Any provision of the CAIR NO_X Annual Trading Program
that applies to a CAIR NO_X unit or the CAIR designated representative of a CAIR NO_X unit shall also apply to the owners and operators of such unit.
(g) *Effect on other authorities.* No provision of the CAIR NO_X Annual Trading Program, a CAIR permit application, a CAIR permit, or an exemption under § 97.105 shall be construed as exempting or excluding the owners and operators, and the CAIR
designated representative, of a CAIR NO_X source or CAIR NO_X unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

NOx Ozone Season Emission Requirements

§ 97.306 Standard requirements.

(a) *Permit requirements.* (1) The CAIR designated representative of each CAIR NO_X Ozone Season source required to have a title V operating permit and each CAIR NO_X Ozone Season unit required to have a title V operating permit at the source shall:
(i) Submit to the permitting authority a complete CAIR permit application under §97.322 in accordance with the deadlines specified in §97.321; and
(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.
(2) The owners and operators of each CAIR NO_X Ozone Season source required to have a title V operating permit and each CAIR NO_X Ozone Season unit required to have a title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CCCC of this part for the source and operate the source and the unit in compliance with such CAIR permit.
(3) Except as provided in subpart IIII of this part, the owners and operators of a CAIR NO_X Ozone Season source that is not otherwise required to have a title V operating permit and each CAIR NO_X Ozone Season unit that is not otherwise required to